

USDA Pest Management

Alabama Conservation Practice Guide Sheet 595

Natural Resources Conservation Service (NRCS)

September 2004

Land user _____

Date _____



Definition

Pest management is utilizing environmentally sensitive prevention, avoidance, monitoring, and suppression strategies, to manage weeds, insects, diseases, animals and other organisms that directly or indirectly cause damage or annoyance.

Purposes

Pest management is applied as part of a resource management system to:

- Enhance the quantity and quality of agricultural commodities.
- Minimize the negative impacts of pest control on soil resources, water resources, air resources, plant resources, animal resources and/or humans.

Pest Management Includes

- Environmental risks of pest management.
- Mitigation alternatives to minimize environmental risks.

- Adoption of Integrated Pest Management (IPM).
- Implementation of a pest management component of an overall conservation plan.

Benefits

Pest management systems:

- Maximize economic returns.
- Minimize environmental risks.
- Improve food, water and air quality.
- Integrate all aspects of pest management within the agricultural production system.

Resource Management System

Pest management is a component of a Resource Management System (RMS). It should be used in conjunction with conservation practices such as a filter strip, conservation crop rotation, irrigation water management and/or nutrient management on a site-specific basis to address both natural resource concerns and the landowner's objectives

General Criteria

- Follow the attached pest management component of the overall conservation plan.
- Methods of pest management must comply with Federal, State, and local regulations.
- Utilize IPM that strives to balance economics, efficacy, and environmental risks. IPM information available for your crops is attached.
- Implement mitigation techniques planned to address the environmental risks of pest management activities. Mitigation techniques include conservation practices like a filter strip or conservation crop rotation, and management techniques like application method and timing. Mitigation techniques have been incorporated in the attached plan.
- All methods of pest management must be integrated with other components of the conservation plan.
- Pay special attention to all environmental hazards and site-specific application criteria listed on pesticide labels and contained in Extension and Crop Consultant recommendations.

Operation, Maintenance & Safety

- Review and update the plan periodically in order to incorporate new IPM technology, respond to cropping system and pest complex changes, and avoid the development of pest resistance.
- Maintain mitigation techniques identified in the plan in order to ensure continued effectiveness.
- Develop a safety plan for individuals exposed to chemicals including telephone numbers and addresses for emergency treatment centers and the telephone number for the nearest poison control center. For human exposure questions, the local center is:

Name: _____

Location: _____

Phone: _____

The National Pesticide Telecommunications Network (NPTN) telephone number in Corvallis, Oregon for non-emergency information is:

1-800-424-7378

Monday - Friday

6:30 a.m. to 4:30 p.m. Pacific Time

For advice and assistance with emergency spills that involve agrichemicals, the local contact is:

Name: _____

Location: _____

Phone: _____

The national 24-hour CHEMTREC® telephone number for emergency assistance is:

1-800-424-9300

- Mix chemicals down gradient and a minimum of _____ feet from a well and a minimum of _____ feet from a surface water body.
- Post signs according to label directions and/or Federal, State, and local laws around sites that have been treated. Follow restricted entry intervals.
- Dispose of pesticides and pesticide containers in accordance with label directions and adhere to Federal, State, and local regulations.
- Read and follow label directions and maintain appropriate Material Safety Data Sheets (MSDS).
- Calibrate application equipment according to Extension and/or manufacturer recommendations before each seasonal use and with each major chemical change.
- Replace worn nozzle tips, cracked hoses, and faulty gauges.
- Maintain records of pest management for at least _____ years. Pesticide application records shall be in accordance with USDA Agricultural Marketing Service's Pesticide Record Keeping Program and state specific requirements

PEST MANAGEMENT ALTERNATIVES WORKSHEET

Landuser _____ Date _____ Consultant _____

Tract & Field(s) _____ Soils _____

Crop Sequence/Rotation _____ (Circle Applicable Crops(s))

Pest Management Resource Concern _____

Target Pest Name(s)	Alternative Number	Alternative Description	Analysis Tool	Mitigation Techniques

Assisted by: _____

Sketch a map showing the field location, acreage and location of sensitive resource concerns (including required setback zones, water bodies and buildings).

Scale 1" = _____ ft. (NA indicates sketch not to scale: grid size = ½" by ½")

Operation and Maintenance:

Review this pest management plan whenever the production system changes substantially, or at least every () years.

Maintain mitigation techniques identified in the plan.

Mix chemicals a minimum of () feet from a well and a minimum of () feet from a surface water body.

Post treatment signs according to label directions and/or Federal, State, and local laws. Follow label re-entry intervals.

Dispose of pesticides and pesticide containers in accordance with label directions.

Read and follow label directions and maintain appropriate Material Data Safety Sheets (MSDS).

Calibrate application equipment before each season of use and with each major chemical change.

Maintain records of pest management for at least () years.

Additional specifications and notes:

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